

**METHODS AND COMPOSITIONS FOR
TISSUE AUGMENTATION**

ABSTRACT

5 Methods and compositions for use in tissue volume
replacement are provided. The present invention comprises
compositions comprising a combination of materials, comprising
preferably a solid polymer particle phase and a gel phase, and also
comprises single phase compositions. More particularly, preferred
10 embodiments comprise a solid polymer particle phase made of materials
comprising Gore-Tex (micronized e-PTFE), PDS II (polydioxanone, a
monofilament), NUROLON (a long chain aliphatic polymer Nylon 6 or
Nylon 6,6) ETHILON (a long chain aliphatic polymer Nylon 6 and
Nylon 6,6), PROLENE (Polypropylene, isotactic crystalline
15 stereoisomer of polypropylene, a synthetic linear polyolefin.), VICRYL
(copolymer made from 90% glycolide and 10% L-lactide), silk,
MONACRYL (poly ε-caprolactone.), polylactide, polyglycolide, poly
lactide-co-glycolide, and BIOPOL (polyhydroxyvalerate), MEDPOR
(biocompatible (micronized) polyethylene), BIOGLASS (bioactive glass
20 particulate), NOVABONE and NOVABONE-CM, and the gel phase
comprises polyvinylpyrrolidone (PVP). Preferred single phase
compositions comprise PVP. Methods of the present invention
comprising injection of such compositions for tissue augmentation.

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